

AMENDMENTS

In the Specification

Please substitute the following amended paragraph for the paragraph beginning on page 2, line 19:

After the wavelets transform signal processing, the data is transformed by bit plane coding. FIG. 3A shows the original bit plane of the image. There are two regions in the original bit plane, one is the ROI of the bit plane, and the other is the region of the non-ROI bit plane. In FIG. 3B ~~IN FIG. 3~~, the bit plane coding raises the resolution of the ROI region to emphasize the image of ROI. The data in the non-ROI region with little significance is recorded with few resources or abandoned. The bit plane coding is used to decrease the data volume of the image data. Therefore, the monitored image will be clearer in the same hardware equipment. Afterward, the image data is encoded to a specific form as JPEG2000 for example to record.

Please substitute the following amended paragraphs for the paragraph beginning on page 4, line 8:

~~FIG. 3~~ FIG. 3A shows the original bit plane of the image.

FIG. 3B illustrates the raising of the resolution of the bit plane coding.

On page 4, line 26, please insert the following:

FIG. 8 is a flowchart illustrating the top-level operation of an embodiment of the present invention.

On page 7, line 21, please insert the following description:

Reference is now made to FIG. 8, which is a flowchart illustrating the top-level operation of an embodiment of the present invention. Illustrated is a method for transforming video data comprising an interest region by wavelet transform signal processing. The method comprising transforming the video data to high frequency image data and low frequency image data (S1), getting first image data recording first information responding to the interest region of the video data and second image data recording second information responding to the interest region of the video data from the high frequency image data (S2), combining the first image data and the low frequency image data to form interest region data (S3), combining the interest region data and the second image data by bit plane coding to generate display data (S4), and displaying the display data with a display device (S5).

In one embodiment, the high frequency image data and the low frequency image data have predetermined frequency bands. In one embodiment, the method further comprises compressing the display data. In one embodiment, such compression compresses the data into a compression form in accordance with JPEG2000.